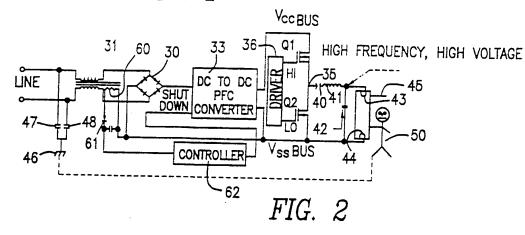


FIG. 1 (PRIOR ART)



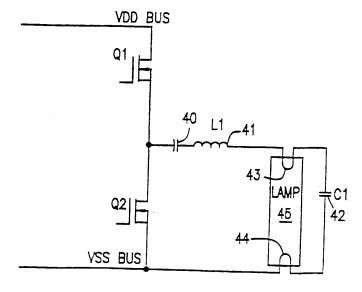
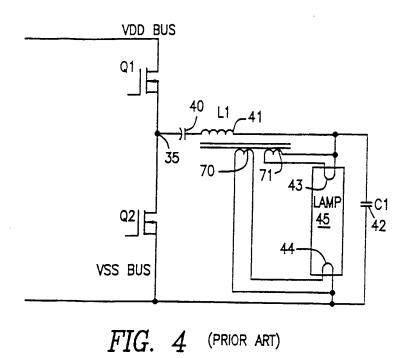
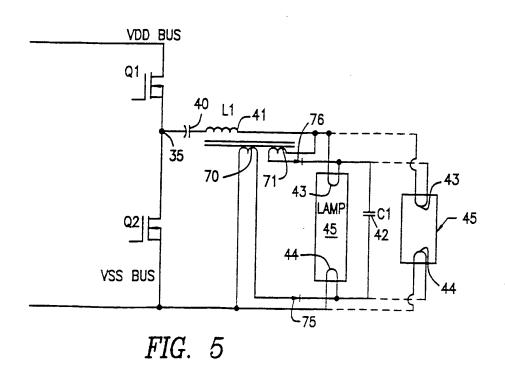


FIG. 3 (PRIOR ART)





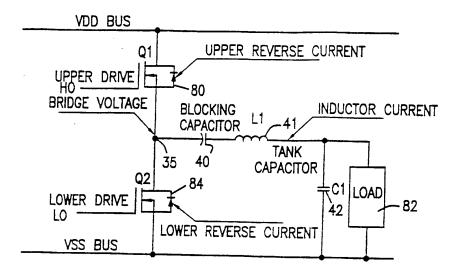


FIG. 6 (PRIOR ART)

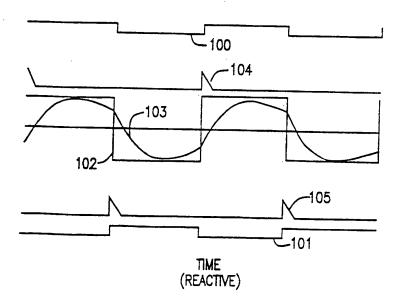


FIG. 7

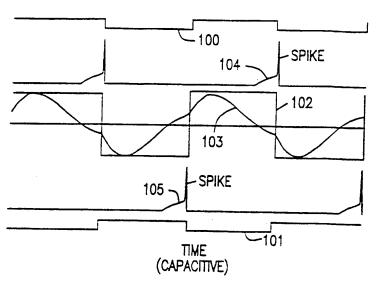
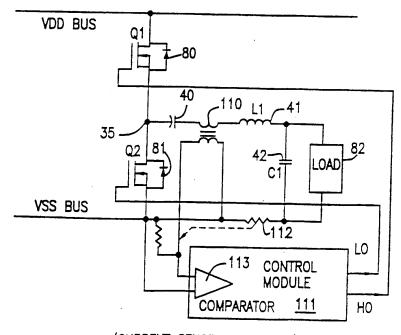
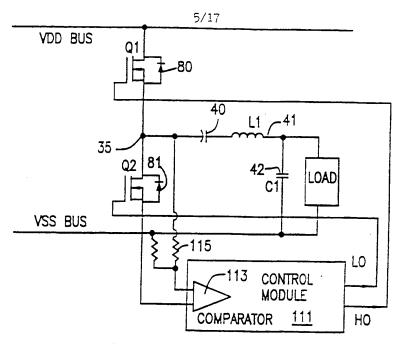


FIG. 8



(CURRENT SENSE PROTECTION)

FIG. 9



(VOLTAGE SENSE PROTECTION)

FIG. 10

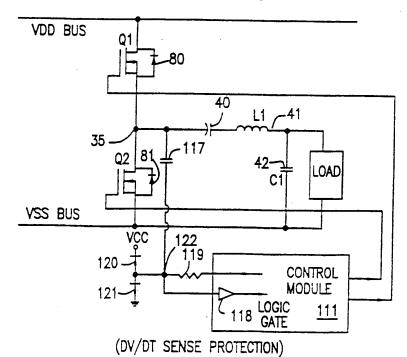
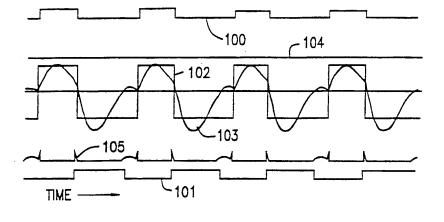


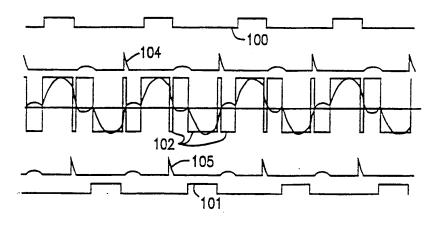
FIG. 11



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(CONTINUOUS REACTIVE LOAD)

FIG. 12



(PREDICTED MINIMUM DEAD TIME)

FIG. 13

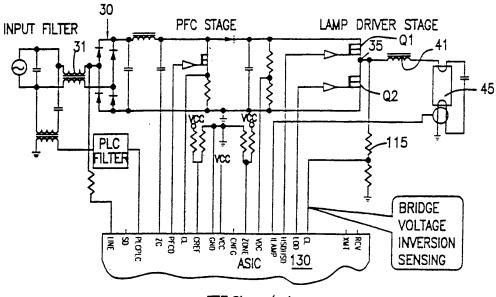
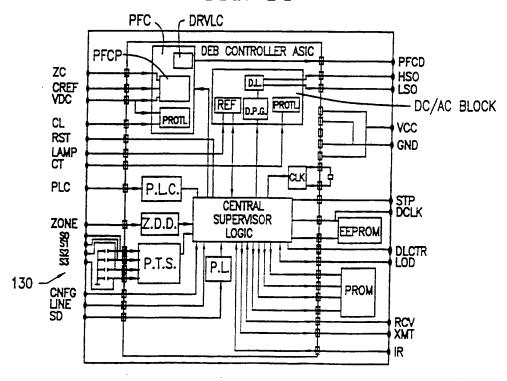
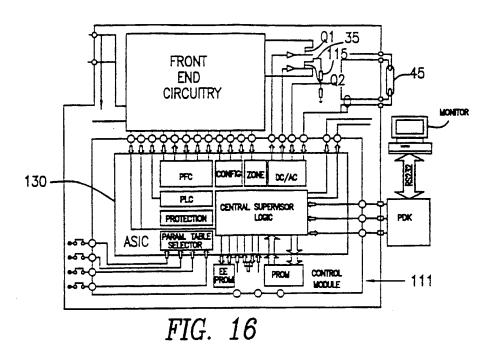


FIG. 14



(INTERCONNECTION DIAGRAM FOR PLC CONTROL APPLICATION)

FIG. 15



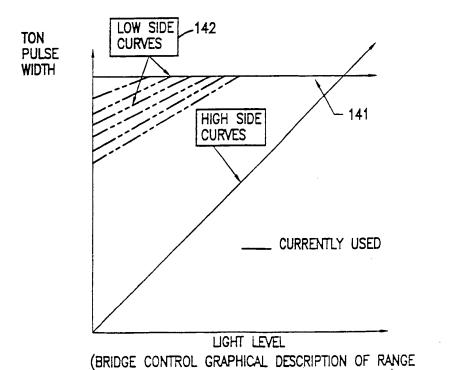
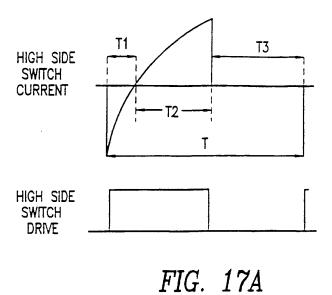
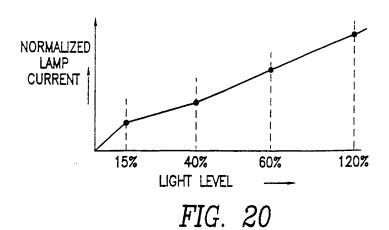
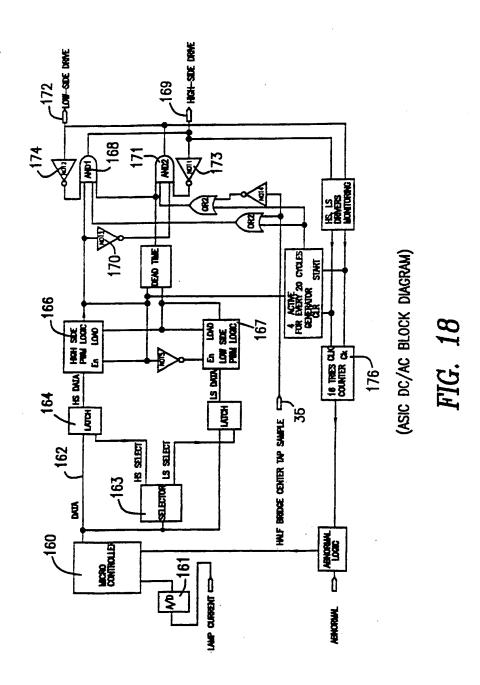


FIG. 17

OF THE PULSE WIDTH FOR THE BRIDGE SWITCHES)

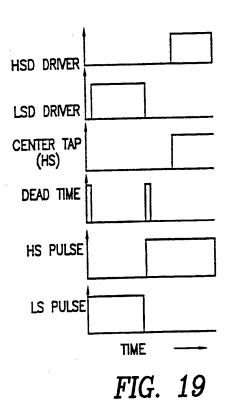




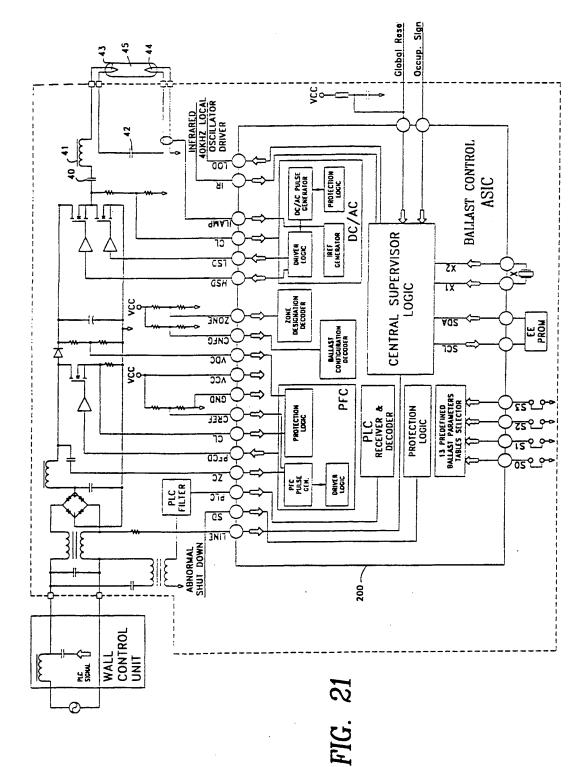


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÷ ; ;



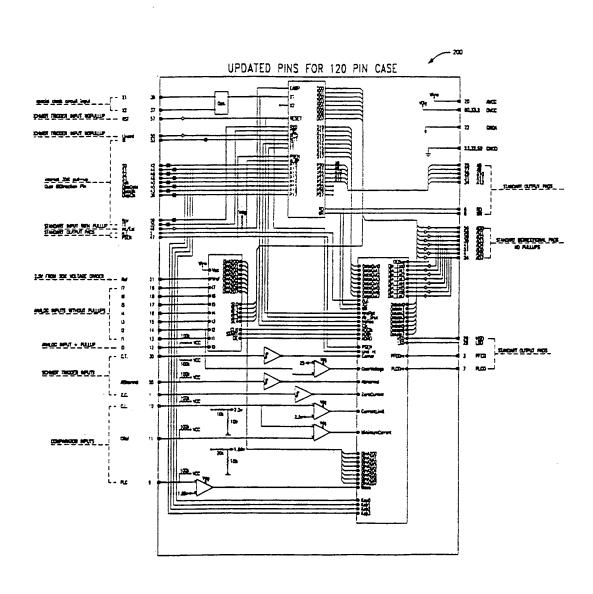
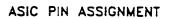


FIG. 21A



Die Pin Name	PLC D.E.B.	D.E.B.	LOCAL D.E.B.	OCC D.E.B.	€.8.	W.C.U.	Notes
Vcc Digital	+	+	+	+	 +	+	
Gnd Digital	+	+	+	+	+		
X1-Crystal	+	+	+	+	+	+	
X2-Crystal		+	+	+	+	+ +	+
Reset	+	+	+	+	 	1 - 1	
Vcc Analog	+	+	+	+	+	+	+
Gnd Anglog	+	+	+	+	1		
V Ref.	+	+	+	 	 	+	
iO	30Kohm	l Oohm	51Kohm	13Kohm	130Kohrn	-	Angtog
11	Zone	DC control	Sensor,Occ	Occ. Dimmed level	x	Sensor,Occ	
12	VDC (dc bus)	VDC (dc bus)	VDC (dc bus)	VDC (dc bus)	VDC (dc bus)	×	Analog
13	ILamp	ILamp	ILamp	ILamp	ILamp	, x	A = -1
14,15,16,17	×	×	×	¥	x		Analog
Line Int.	- ÷	+	+	-	+	* +	not used
IR	×	×	+	y	×	1	
50-53	+	+	+		+	Key0-Key3	table
Scik	Scik	Scik	Scik	Scik	Scik	Scik	
Tx	Sda	Sda	Sda	Sda	Sda	Sda	toble
Rev	×	×	Occ. OFF	Occ.	300	com. revr	toble
Disp. Blank	×	×	¥	X	Ŷ	+	
Disp. Data	×	×	×	×	×	+	
Disp. Clk	×	× -	×	×	¥	+	
Abnormal	+	+	+	+	+		
Zero Curr.	+	+	+	+	+	×	
Curr. Ref.	+	+	+	+	+	- Ŷ	
Curr. Limit	+	+	+	+	+	Ŷ	
Center tap	+	+	+	+	+	×	
PLC Drv	×	×	×	¥	<u> </u>	+	
H.S.D.	+	+	+	+	+	×	
L.S.D.	+	+	+	+	+		
PLC Data	+	×	×	×	- 	- ÷	
PFC Drv	+	+	+	+	+		
A00-A07	×	×	×	×	×	+	Ext ROM
A8-A12	×	×	×	×	×	+	Ext ROM
ALE	×	x	×	×	×	+	Ext ROM
WR	×	×	×	×	×	+	Ext ROM
RO	×	×	×	×	×	+	Ext ROM
nt/ExtROM	×	×	×	×	×	+	Ext ROM
Psen	×	×	×	×	×	+	Ext ROM

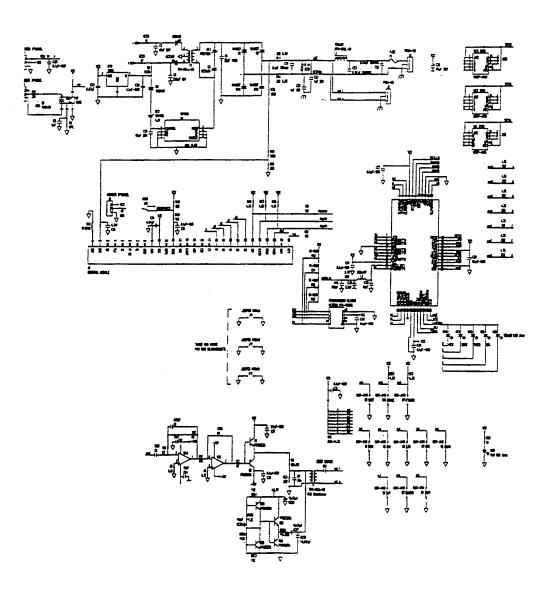


FIG. 23

PCT/IB99/02087

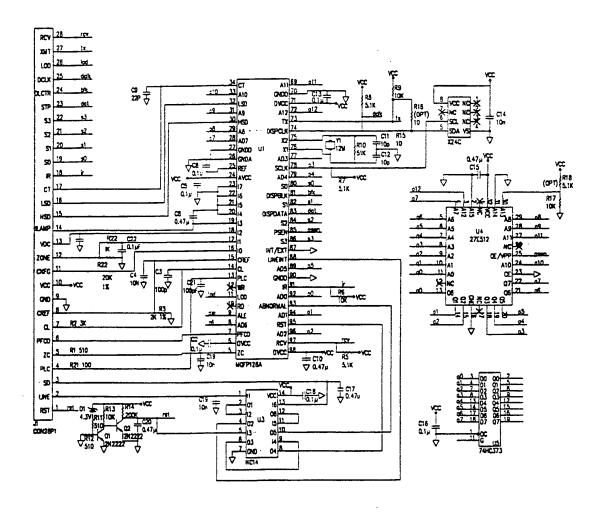


FIG. 24

